



LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 335

CREAM OF TARTAR

NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

A. MCGILL,
Chief Analyst.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

BULLETIN No 335

CREAM OF TARTAR

OTTAWA, April 11, 1916.

J. U. VINCENT, Esq.,
Deputy Minister of Inland Revenue,

SIR,—I beg to hand you a report dealing with the results of analysis of 180 samples purchased as Cream of Tartar in October to December of last year.

Cream of Tartar was last inspected in February and March, 1913 (see Bulletin 263). Since that date commercial conditions have seriously changed as regards this article and prices have greatly increased. In consequence of this fact, various substitutes for Cream of Tartar are offered; and of this class of goods some thirty seven (37) samples have been more or less fully, analyzed. They are found to consist chiefly of acid phosphate of lime, and for the most part contain alum, (soda-alum) as well. The acidity is reduced to that of Cream of Tartar by addition of starch. No particular objection to these articles can be urged, except that the price at which they are sold is exorbitant, usually from 30 to 40 cents per pound. This is the price at which it has been customary to sell cream of tartar; and the fact that some of these substitutes contain small percentages of Cream of Tartar or tartaric acid, and that others are offered under names which more or less distantly resemble Cream of Tartar, suggests a willingness to accept the price of Cream of Tartar for an article which should be sold at a lower price. It may be found desirable more fully to investigate the substitutes for Cream of Tartar now so much in evidence.

So far as the present inspection of Cream of Tartar is concerned, the results are as below:—

| | |
|---|-----|
| Samples found genuine and of B. P. standard.. . . . | 62 |
| “ “ but of commercial grade.. . . . | 100 |
| “ judged doubtful.. . . . | 2 |
| “ sold as compound.. . . . | 2 |
| “ found adulterated under the Act.. . . . | 14 |
| Total.. . . . | 180 |

The standard of the British Pharmacopria requires 97.5 per cent. true bi-tartrate of potash.

The so-called commercial grade proposed by myself in 1910 (See Bull. 222) contains at least 90 per cent. of bi-tartrate of potash.

Two samples contain foreign matter in so small quantity as to suggest accident. These I have marked doubtful.

Fourteen samples sold as Cream of Tartar, are mixtures which should be sold as substitutes for this article. These must be judged as adulterated under the Act.

I beg to recommend publication of this report as Bulletin No. 335.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,
Chief Analyst.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF NOVA SCOTIA—

| | | | | | | | |
|---------|------------------|-------|----------------------------------|-------|----|-------------------------------------|-------|
| 1915. | | | | | | | |
| Oct. 18 | Cream of Tartar. | 64266 | Wm. Moore, Halifax. | 1 lb. | 39 | Herron Leblanc, Montreal. | Mfrs. |
| " 19 | " | 64267 | John P. Mott & Co., Halifax. | " | 40 | Vendor | " |
| " 20 | " | 64268 | Wentzells, Ltd., Halifax. | " | 45 | John P. Mott & Co., Halifax. | Mfrs. |
| " 20 | " | 64269 | Jas. Scott & Co., Halifax. | " | 40 | W. H. Schwartz & Son, Halifax. | " |
| " 27 | " | 64270 | Corkum & Ritcey, Ltd., Halifax. | " | 45 | " | " |
| " 27 | " | 64271 | R. B. Seeton & Co., Halifax. | " | 45 | E. W. Gillett & Co., Ltd., Toronto. | " |
| " 27 | " | 64272 | National Drug Co., Halifax. | " | 42 | Vendors | " |
| " 28 | " | 64273 | W. H. Schwartz & Sons, Halifax. | " | 37 | " | " |
| Dec. 7 | " | 64274 | Wentworth Stores, Wind- sor. | " | 50 | McCready & Sons, St. John, N.B. | Mfrs. |
| " 7 | " | 64275 | Cross & DeWolfe, Kent- ville. | " | 45 | G. E. Barbour Co., St. John, N.B. | " |

DISTRICT OF PRINCE EDWARD ISLAND

| | | | | | | | |
|------|------------------|-------|---------------------------------------|-------|----|--------------------------------------|--|
| " 6 | Cream of Tartar. | 60383 | W. A. Poole & Co., Lower Montague. | 1 lb. | 50 | G. E. Barbour Co., Co., St. John. | " |
| " 6 | " | 60384 | McDonald Bros., George- town. | 1 " | 60 | " | Chas. H. Bros., Charlottetown |
| " 11 | " | 60385 | P. J. Berrigan, Dunedin, Lot 31. | 1 " | 45 | John P. Mott & Co., Halifax. | " |
| " 12 | " | 60386 | Beer & Goff, Charlotte- town. | 1 " | 60 | W. H. Schwartz, Halifax. | " |
| " 12 | " | 60387 | Coffin & Co., Charlotte- town. | 1 " | 60 | McCready & Son, St. John. | " |
| " 12 | " | 60388 | W. W. Walker, Charlotte- town. | 1 " | 60 | " | J. A. Farquhar- son & Co., Charlottetown |
| " 12 | " | 60389 | Jenkins & Son, Charlotte- town. | 1 " | 45 | E. W. Gillett Co., Ltd., Toronto. | " |
| " 13 | " | 60390 | J. C. Crabbe, Charlotte- town. | 1 " | 60 | McCready & Son, St. John. | " |
| " 12 | " | 60391 | J. G. Passmore, Charlotte- town. | 1 " | 60 | " | J. A. Farquhar- son & Co., Charlottetown |
| " 12 | " | 60392 | P. A. Smith, Charlotte- town. | 1 " | 55 | E. W. Gillett Co., Toronto. | " |

CREAM OF TARTAR.

| Inspector's Report. (Is not an expression of opinion.) | Results of Analysis. | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|---|----------------------------------|---|--------------|-------------|------------|---------|----------------|---|
| | Acidity C.C. & per 100 grams. | Bitartrate of pot- ash expressed as weight. | Lime (Ca O). | Phosphates. | Sulphates. | Starch. | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

R. J. WAUGH, INSPECTOR.

| | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | | |
|-------|------|-------|---------------|-------|-------|-------|-------|---|
| ..... | 70.5 | 7.70 | 4.46 | 7.95 | ..... | ..... | 64266 | Adulterated. |
| ..... | 531 | 99.8 | ..... | ..... | ..... | ..... | 64267 | Genuine. Meets B. P. require- ments. |
| ..... | 530 | 99.7 | ..... | ..... | ..... | ..... | 64268 | " " " |
| ..... | 481 | 90.5 | Pre- sent. | ..... | ..... | ..... | 64269 | " Commercial Grade. |
| ..... | 462 | 13.80 | 10.26 | 12.26 | 8.95 | ..... | 64270 | Adulterated. |
| ..... | 531 | 99.8 | ..... | ..... | ..... | ..... | 64271 | Genuine. Meets B. P. require- ments. |
| ..... | 479 | 90.2 | Pre- sent. | ..... | ..... | ..... | 64272 | Genuine. Commercial Grade. |
| ..... | 480 | 90.4 | " | ..... | ..... | ..... | 64273 | " " " |
| ..... | 498 | 93.5 | " | ..... | ..... | ..... | 64274 | " " " |
| ..... | 479 | 90.2 | " | ..... | ..... | ..... | 64275 | " " " |

WM. A. WEEKS, INSPECTOR.

| | | | | | | | | |
|-------|-----|------|---------------|-------|-------|-------|-------|---|
| ..... | 495 | 93.2 | Pre- sent. | ..... | ..... | ..... | 60383 | Genuine. Commercial Grade. |
| ..... | 495 | 93.2 | " | ..... | ..... | ..... | 60384 | " " " |
| ..... | 479 | 90.2 | " | ..... | ..... | ..... | 60385 | " " " |
| ..... | 484 | 91.0 | " | Trace | ..... | ..... | 60386 | " " " |
| ..... | 497 | 93.5 | " | ..... | ..... | ..... | 60387 | " " " |
| ..... | 482 | 90.7 | " | ..... | ..... | ..... | 60388 | " " " |
| ..... | 531 | 99.8 | ..... | ..... | ..... | ..... | 60389 | Genuine. Meets B. P. require- ments. |
| ..... | 504 | 94.9 | Pre- sent. | Trace | ..... | ..... | 60390 | Genuine. Commercial Grade. |
| ..... | 484 | 91.0 | " | ..... | ..... | ..... | 60391 | " " " |
| ..... | 502 | 94.5 | " | ..... | ..... | ..... | 60392 | " " " |

BULLETIN No 335—

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF NEW BRUNSWICK—

| | | | | | | | |
|---------|------------------|-------|---|---------------|----|------------------------------------|-------------------------------------|
| 1915. | | | | | | | |
| Jan. 19 | Cream of Tartar. | 59646 | Baird & Peters, St. John, N.B. | 1 lb. | 40 | Vendors..... | |
| " 19 | " | 59647 | Puddington, Wetmore, Morrison, Ltd., St. John, N.B. | $\frac{3}{4}$ | 30 | " | |
| " 19 | " | 59648 | Jones & Schofield, St. John, N.B. | $\frac{3}{4}$ | 30 | " | |
| " 19 | " | 59649 | G. E. Barbour Co., Ltd., St. John, N.B. | $\frac{3}{4}$ | 30 | " | |
| " 20 | " | 59650 | 2 Barkers, Ltd., St. John, N.B. | 1 lb. | 45 | C. H. Cochrane & Co., Ottawa, Ont. | |
| " 20 | " | 59651 | Dearborn & Co., St. John, N.B. | 1 " | 45 | Vendors..... | |
| " 21 | " | 59652 | Northrup & Co., St. John, N.B. | 1 " | 38 | ..... | C. H. Cochrane & Co., Ottawa, Ont. |
| " 21 | " | 59653 | T. C. Collins & Co., St. John, N.B. | 1 " | 50 | Vendors..... | |
| " 22 | " | 59654 | McPherson Bros., St. John, N.B. | 1 " | 60 | ..... | G. E. Barbour & Co., St. John, N.B. |
| " 22 | " | 59655 | M. E. Grass, St. John, N.B. | 1 " | 50 | ..... | G. Bent & Sons, St. John. |

DISTRICT OF NEW BRUNSWICK—

| | | | | | | | |
|--------|------------------|-------|---|--------|----|--------------------------------|--|
| Oct. 5 | Cream of Tartar. | 66176 | 2 Barkers, Ltd., St. John. | 1 lb. | 55 | Vendors..... | |
| " 5 | " | 66177 | H. W. Cole, St. John... | 3 pkg. | 45 | " | |
| " 6 | " | 66178 | Dearborn & Co., St. John. | 1 lb. | 50 | " | |
| " 7 | " | 66179 | Baird & Peters, St. John. | 1 " | 55 | " | |
| " 12 | " | 66180 | Puddington, Wetmore & Morrison, St. John. | 3 pkg. | 38 | " | |
| " 13 | " | 66181 | G. E. Barbour Co., Ltd., St. John. | 1 lb. | 50 | " | |
| " 20 | " | 66183 | W. H. Fleming, Woodstock. | 1 " | 60 | G. E. Barbour, Ltd., St. John. | |
| " 26 | " | 66184 | W. B. McKay, Co., Sussex. | 1 " | 60 | H. W. Cole, St. John | |
| " 26 | " | 66185 | Sussex Mercantile Co., Sussex. | 1 " | 50 | " | |
| " 27 | " | 66195 | Reed Co., Ltd., Moncton. | 3 pkg. | 45 | J. P. Mott & Co., Halifax. | |

CREAM OF TARTAR.

| Inspector's Report. (Is not an expression of opinion.) | Results of Analysis. | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|---|------------------------------------|---|--------------|-------------|------------|--|----------------|---|
| | Acidity C. C. in per 100 grams. | Bitartrate of pot. ash expressed as weight. | Lime (Ca O). | Phosphates. | Sulphates. | Starch. | | |
| | | | | | | Alumina (Al ₂ O ₃). | | |

J. C. FERGUSON, INSPECTOR.

| | | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | | |
|----------------|-----|-------|---------------|-------|-------|-------|-------|-------|---|
| ..... | 491 | 92.4 | Pre- sent. | ..... | ..... | ..... | ..... | 59646 | Genuine. Commercial Grade. |
| ..... | 493 | 92.8 | " | ..... | ..... | ..... | ..... | 59647 | " " " |
| "Holly" Brand. | 493 | 92.8 | " | ..... | ..... | ..... | ..... | 59648 | " " " |
| "Acorn" | 516 | 97.1 | Trace. | ..... | ..... | ..... | ..... | 59649 | Genuine. Meets B. P. require- ments. |
| ..... | 528 | 99.0 | ..... | ..... | ..... | ..... | ..... | 59650 | " " " |
| ..... | 530 | 99.7 | ..... | ..... | ..... | ..... | ..... | 59651 | " " " |
| ..... | 527 | 99.2 | ..... | ..... | ..... | ..... | ..... | 59652 | " " " |
| ..... | 504 | 94.9 | Pre- sent. | ..... | ..... | ..... | ..... | 59653 | Genuine. Commercial Grade. |
| ..... | 500 | 94.1 | " | ..... | ..... | ..... | ..... | 59654 | " " " |
| ..... | 486 | 91.5 | " | ..... | ..... | ..... | ..... | 59655 | " " " |

JOHN C. FERGUSON, INSPECTOR.

| ..... | 486 | 91.5 | Pre- sent. | ..... | ..... | ..... | ..... | 66176 | Genuine. Commercial Grade. |
|-----------------|-----|------|---------------|-------|-------|-------|-------|-------|----------------------------------|
| ..... | 497 | 93.0 | " | ..... | ..... | ..... | ..... | 66177 | " " |
| National Brand. | 529 | 99.6 | ..... | ..... | ..... | ..... | ..... | 66178 | " Meets B. P. require- ments. |
| ..... | 484 | 91.0 | Pre- sent. | ..... | ..... | ..... | ..... | 66179 | " Commercial Grade. |
| ..... | 530 | 99.7 | ..... | ..... | ..... | ..... | ..... | 66180 | " Meets B. P. require- ments. |
| ..... | 530 | 99.7 | ..... | ..... | ..... | ..... | ..... | 66181 | " " |
| ..... | 482 | 90.7 | Pre- sent. | ..... | ..... | ..... | ..... | 66183 | " Commercial Grade. |
| ..... | 496 | 93.3 | " | ..... | ..... | ..... | ..... | 66184 | " " |
| ..... | 493 | 92.9 | " | ..... | ..... | ..... | ..... | 66185 | " " |
| ..... | 487 | 91.6 | " | ..... | ..... | ..... | ..... | 66195 | " " |

BULLETIN No. 335—

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF QUEBEC CITY—

| | | | | | | | |
|-------|----|-----------------|--|--------|----|---------------------|------------------|
| 1915. | | | | | | | |
| Oct. | 6 | Creme de tarte. | 56542 J. Pepin, 132 Rue Massue, Quebec. | 1 lb. | 60 | Unknown..... | Turcotte Frere.. |
| " | 7 | " | 56545 A. Larue, 35 Rue Victoria, Quebec. | 1 " | 60 | " | " |
| " | 11 | " | 56546 A. Drolet, 714 Rue St. Valier, Quebec. | 1 " | 75 | Nat. Drug. Co..... | Mfra..... |
| " | 4 | " | 56547 N. Tremblay, 8 Rue St. Agnes, Quebec. | 1 " | 80 | Unknown..... | " |
| " | 6 | " | 56548 Jos. Vezina, Enr., 914 Rue St. Valier, Quebec. | 1 " | 50 | " | " |
| " | 7 | " | 56550 E. Bascon, 28 Rue St. Hermine, Quebec. | 1 " | 60 | Langlais..... | E. Paradis..... |
| " | 7 | " | 56552 J. N. Rousseau, 185 Rue Massue, Quebec. | 3 pkg. | 30 | Unknown..... | J. B. Renaud... |
| " | 7 | " | 56553 G. A. Gagnon, 52 Rue St. Luc, Quebec. | 1 lb | 40 | Turcotte Frere..... | Mfra..... |
| " | 8 | " | 56554 Abel Turcotte, 272 Rue St. Jean, Quebec. | 1 " | 50 | Unknown..... | " |
| " | 8 | " | 56555 L. Tardif, 175 Rue St. Jean, Quebec. | 1 " | 80 | " | J. B. Renaud... |

DISTRICT OF QUEBEC PROVINCE—

| | | | | | | | |
|------|----|-----------------|---|---------|------|--------------------------------|-------|
| Oct. | 13 | Creme tarte. | 4425 Joe Brown, St. Claire | 1½ lbs. | 1.05 | J. B. Renaud & Fils Quebec. | ..... |
| " | 14 | " | 4428 Cleophas Beaudoin, Armagh. | 1½ " | 90 | Quebec Preserving Co., Quebec. | ..... |
| " | 1 | Creme de tarte. | 331 J. N. Desjardins, St. Jerome. | 1 " | 80 | Hudon Hebert, Montreal. | ..... |
| " | 1 | " | 333 Chas. Elic Lafamme, Ste. Jerome. | 1 " | 80 | E. W. Gillett & Co., Toronto. | ..... |
| " | 1 | " | 335 T. Lapointe, Ste. Jerome. | 1 " | 60 | ..... | ..... |
| " | 2 | " | 338 Damien Hetu, St. Agathe de Montee. | 1 " | 50 | ..... | ..... |
| " | 2 | " | 339 Hormidas Giroux, St. Agathe des Montee. | 1 " | 40 | ..... | ..... |

DISTRICT OF EASTERN TOWNSHIPS—

| | | | | | | | |
|-----|----|-----------------|--|--------|-------|--------------------|-------|
| Oct | 21 | Cream of Tartar | 58446 W. Jutras, St. Hyacinthe. | 1 lb | 50 | ..... | ..... |
| " | 21 | " | 58447 Lassonde & Frere, St. Hyacinthe. | 1 " | 80 | ..... | ..... |
| " | 26 | " | 58448 Gerin & Boulay, Coaticook. | 1 " | 60 | ..... | ..... |
| " | 26 | " | 58449 Woodman & McKee, Coaticook. | 3 pkg. | 45 | Pure Gold Mfg. Co. | ..... |
| " | 26 | " | 58450 B. J. Smith & Son, Coaticook. | 1 lb. | ..... | ..... | ..... |

CREAM OF TARTAR.

| Inspector's Reports. (Is not an expression of opinion.) | Results of Analysis | | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|---|-------------------------------|---|--------------|-------------|------------|---------|--|----------------|---|
| | Acidity C.C. N per 100 grana. | Bitartrate of potash expressed as weight. | Lime (Ca O). | Phosphates. | Sulphates. | Starch. | Alumina. (Al ₂ O ₃) | | |

F. X. W. E. BELAND, INSPECTOR.

| | | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | | |
|-----|------|-----------|-------|-------|-------|-------|------|-------|----------------------------|
| 468 | 88.1 | Pre-sent. | 11.10 | 8.48 | 9.63 | 3.90 | 0.20 | 56542 | Genuine. Commercial Grade. |
| 481 | | | | | | | | 56545 | Adulterated. |
| 495 | 93.2 | Pre-sent. | 15.70 | 18.93 | 10.31 | 12.55 | 0.50 | 56546 | Genuine. Commercial Grade. |
| 518 | | | | | | | | 56547 | Adulterated. |
| 313 | | | 20.00 | | 36.56 | | 1.70 | 56548 | " |
| 496 | 93.3 | Pre-sent. | | | | | | 56550 | Genuine. Commercial Grade. |
| 490 | 92.3 | " | | | | | | 56552 | " " |
| 492 | 92.7 | " | | | | | | 56553 | " " |
| 493 | 92.9 | " | | | | | | 56554 | " " |
| 496 | 93.3 | " | | | | | | 56555 | " " |

O. BROCHU AND D. CADIEUX, TEMPORARY INSPECTORS.

| | | | | | | | | |
|-----|-------|-------|-------|-------|------|------|------|--|
| 488 | 91.7 | | | Trace | 1.30 | | 4425 | Genuine. Commercial grade. Starch probably accidental. |
| 496 | 93.2 | | | | | | 4428 | Genuine. Commercial grade. |
| 501 | 94.3 | | | | | | 331 | " " |
| 531 | 99.9 | | | | | | 333 | Genuine. Meets B. P. requirements. |
| 514 | 12.80 | 8.34 | 9.10 | 4.52 | 0.50 | | 335 | Adulterated. |
| 478 | 90.0 | | | | | | 338 | Genuine. Commercial grade. |
| | | 27.88 | 35.60 | 14.10 | 5.46 | 1.13 | 339 | Adulterated. |

J. J. COSTIGAN, ACTING INSPECTOR.

| | | | | | | | | |
|-----|------|-------|-------|-------|------|------|-------|------------------------------------|
| | | 26.78 | 22.57 | 23.08 | 5.35 | 0.28 | 58446 | Adulterated. |
| 499 | 93.8 | | | | | | 58447 | Genuine. Commercial grade. |
| 491 | 92.4 | | | | | | 58448 | " " |
| 528 | 99.3 | | | | | | 58449 | Genuine. Meets B. P. requirements. |
| 510 | | 14.70 | 11.49 | 10.90 | 2.50 | 1.00 | 58450 | Adulterated. |

BULLETIN No. 335—

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF EASTERN TOWNSHIPS—

| | | | | | | | |
|---------|------------------|-------|--------------------------|-------|----|-------|-----------------|
| 1915. | | | | | | | |
| Oct. 29 | Cream of Tartar. | 58451 | Davian & Larose, Granby. | 1 lb. | 70 | ..... | ..... |
| " 29 | " | 58452 | H. Cyr, Granby..... | 1 " | 60 | ..... | ..... |
| " 29 | " | 58453 | L. M. Marcaurale, Granby | 1 " | 60 | ..... | ..... |
| " 29 | " | 58454 | Mercure & Frere, Granby. | 1 " | 50 | ..... | ..... |
| " 29 | " | 58455 | A. Z. Cote, Granby..... | 1 " | 60 | ..... | Hudon & Orsali. |

DISTRICT OF QUEBEC PROVINCE—

| | | | | | | | |
|---------|-----------------|------|---------------------------------|--------|----|-------------------------|-------|
| Dec. 23 | Creme de tarte. | 3663 | J. E. Gagne, St. Maxime. | 3 | 45 | Dr. Ed. Morin, Quebec. | ..... |
| 1916. | | | | | | | |
| Jan. 10 | Creme de tarte. | 3670 | G. E. Dussault, St. Marguerite. | 1 ... | 60 | N. Turcotte, Quebec . . | ..... |
| " 12 | " | 3673 | G. A. Cloutier, St. Odilon | 3 | 30 | ..... | ..... |

DISTRICT OF MONTREAL—

| | | | | | | | |
|---------|------------------|-------|--|---------|----|-----------------------|-----------------------|
| 1915. | | | | | | | |
| Nov. 25 | Cream of Tartar. | 67291 | D. Maloney, 80 Sherbrooke St. W., Montreal. | 3 tins. | 60 | Herron, LeBlanc, Ltd. | ..... |
| " 25 | " | 67292 | L. S. Guay, 236 Sherbrooke St. W., Montreal. | 6 pkg. | 60 | ..... | L. Chaput, Fils & Co. |
| " 25 | " | 67293 | Westmount Grocery Co., 4783 Sherbrooke St., Westmount. | 3 tins. | 60 | S. H. Ewing & Son. | ..... |
| " 25 | " | 67294 | R. Grier, 1161 St. Antoine St., Montreal. | 12 ozs. | 45 | ..... | Howe, McIntyre. |
| " 25 | " | 67295 | D. Lachaine, 256 St. Margaret St. Montreal. | 1 lb. | 40 | ..... | Nap. Longpre... |
| " 25 | " | 67296 | N. Viau, 1116 St. Antoine St., Montreal. | 3 tins. | 30 | McLaren's, Ltd. | ..... |
| " 25 | " | 67297 | J. A. Groulx, 1073 St. Antoine St., Montreal. | 1 lb. | 75 | ..... | Hudon, Hebert & Co. |
| " 25 | " | 67298 | J. Bouthillier, 1018 Antoine St., Montreal. | 12 ozs. | 45 | ..... | Laporte, Martin & Co. |
| " 25 | " | 67299 | E. Leroux, 1920 St. James St., Montreal. | 10 " | 35 | ..... | Hudon & Orsali. |
| " 26 | " | 67300 | W. J. Roberts, 949 Wellington St., Verdun. | 3 pkg. | 45 | ..... | Wm. Galbraith & Son. |

BULLETIN No. 335—

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF OTTAWA—

| | | | | | | | |
|----------|------------------|-------|----------------------------------|---------|----|------------------------------|------------------------------------|
| 1915. | | | | | | | |
| Sept. 29 | Cream of Tartar. | 70501 | Taber & Gemmill, Almonte. | 1 lb. | 60 | Pure Gold Co., Toronto. | |
| " 29 | " | 70502 | Fred W. Robertson, Almonte. | 1 " | 60 | " | |
| Oct. 1 | " | 70503 | A. Sweet & Co., Winchester. | 1 " | 50 | | T. W. Chamberlain & Co. Prescott. |
| " 1 | " | 70504 | Hugh Fraser and Son, Winchester. | 1 " | 60 | Gillett's, Toronto. | |
| " 1 | " | 70505 | Fulton Bros., Chesterville. | 1 " | 60 | | Hudon, Hebert & Co, Montreal. |
| " 2 | " | 70506 | Fred. A. Davis, Quyon. | 1 " | 80 | Unknown | Unknown. |
| " 9 | " | 70507 | H. H. Layng, Smith's Falls. | 1 " | 60 | | Robertson, Nicolle, Smith's Falls. |
| " 9 | " | 70508 | J. T. Conway, Perth. | 1 " | 60 | Unknown | Unknown. |
| " 16 | " | 70509 | John Hughes, Prescott. | 1 " | 80 | | M. Lowes, Toronto. |
| " 16 | " | 70510 | Doyle Bros., Prescott. | 3 pkgs. | 45 | S. H. Ewing & Son, Montreal. | |

DISTRICT OF KINGSTON—

| | | | | | | | |
|---------|------------------|-------|------------------------------|---------|----|--------------------------------|-------------------------------------|
| Oct. 27 | Cream of Tartar. | 70271 | W. E. Hopkinson, Kingston. | 1 lb. | 80 | E. W. Gillett, Toronto. | |
| " 27 | " | 70272 | Ben Lee, Kingston. | 1 " | 60 | | Geo. Robertson Co., Ltd., Kingston. |
| " 28 | " | 70273 | A. S. Kimmerly, Napanee. | 1 " | 80 | Unknown | |
| " 28 | " | 70274 | The Fair, Napanee. | 1 " | 60 | | F. Newmen, Picton. |
| " 28 | " | 70275 | J. H. Fish, Napanee. | 1 " | 40 | J. M. Lowes Co., Toronto. | |
| " 28 | " | 70276 | H. W. Kelly, Napanee. | 1 " | 55 | Todhunter & Mitchell, Toronto. | |
| " 28 | " | 70277 | F. H. Perry, Napanee. | 3 pkgs. | 60 | Mathewson Sons, Montreal. | |
| " 28 | " | 70278 | J. G. Oliver, Napanee. | 1 lb. | 50 | Ewing Co., Montreal. | |
| " 28 | " | 70279 | Scrimshaw & Mills, Napanee. | 1 " | 60 | McLaren's, Ltd., Hamilton. | |
| " 28 | " | 70280 | G. F. Sproule & Co, Napanee. | 1 " | 60 | Unknown | |

BULLETIN No. 335—

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF TORONTO—

| | | | | | | | |
|---------|------------------|-------|--|--------|----|-------------------------------|----------------------------|
| 1915. | | | | | | | |
| Oct. 12 | Cream of Tartar. | 69935 | Bell's Grocery, Stayner... | 1 lb.. | 60 | ..... | Dalton Bros., Toronto. |
| " 13 | " | 69936 | Prentice & Sproule, Collingwood. | 1 " | 50 | ..... | McLaren's, Ltd., Hamilton. |
| " 13 | " | 69937 | T. N. Brown, Collingwood. | 1 " | 65 | ..... | Unknown |
| " 14 | " | 61938 | H. J. Buchanan, Barrie.. | 1 " | 75 | ..... | Eby Blain, Ltd., Toronto. |
| " 14 | " | 69939 | Jas. Cheeseman, Barrie.. | 1 " | 60 | ..... | Perkins Ince Co., Toronto. |
| " 15 | " | 69940 | Wisdom & Co., Allendale. | 1 " | 50 | ..... | Unknown |
| " 19 | " | 69941 | James Drysdale, Elmsdale. | 1 " | 60 | E. W. Gillett & Co., Toronto. | ..... |
| " 20 | " | 69942 | W. M. Thompson, Penetang. | 1 " | 80 | " " | ..... |
| " 20 | " | 69943 | A. D. G. Hager, Midland. | 1 " | 60 | ..... | Unknown |
| " 20 | " | 69944 | The Clayfair Preston Co., Ltd., Midland. | 1 " | 60 | McLaren's, Ltd., Hamilton. | ..... |

DISTRICT OF HAMILTON—

| | | | | | | | |
|----------|------------------|-------|--|--------|----|------------------------------|--------------------------------|
| Sept. 30 | Cream of Tartar. | 58426 | P. F. Gage, 331 King St., E. Hamilton. | 1 lb.. | 50 | McLaren's Ltd. .... | ..... |
| " 30 | " | 58427 | Wm. Carroll, 94 John St., S. Hamilton. | 6 pkgs | 42 | ..... | ..... |
| " 30 | " | 58428 | A. R. McLachlin, 72 King St., W. Hamilton. | 6 " | 30 | Young-Winfield, Ltd. | ..... |
| Oct. 1 | " | 58429 | S. G. Lyne, Barton St., Hamilton. | 1 lb.. | 60 | ..... | ..... |
| " 1 | " | 58430 | L. J. Hill, 367 Barton St., Hamilton. | 1 " | 50 | ..... | ..... |
| " 4 | " | 58431 | Herbert J. Wells, 50 King St., St. Catharines. | 1 " | 60 | ..... | ..... |
| " 4 | " | 58432 | Lawrence & Co., 204 St. Paul St., St. Catharines. | 1 " | 60 | ..... | Todhunter & Mitchell, Toronto. |
| " 4 | " | 58433 | Roddy & Walker, 135 Queenston St., St. Catharines. | 1 " | 60 | ..... | Gorman-Eckert Co., Toronto. |
| " 4 | " | 58434 | Henry Glachin, Church St., St. Catharines. | 1 " | 55 | McLaren's Ltd. .... | ..... |
| " 4 | " | 58435 | Arthur Harp, 66 Colborne St., Brantford. | 1 " | 75 | Brantford Coffee & Spice Co. | ..... |

BULLETIN No. 335—

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF WINDSOR—

| | | | | | | | |
|---------|------------------|-------|-----------------------------------|---------|------|--------------------------------|----------------------------|
| 1915. | | | | | | | |
| Oct. 12 | Cream of Tartar. | 54680 | A. M. Milton, Ridgetown. | 1 lb. | 1.00 | | National Drug Co., London. |
| " 12 | " | 54682 | W. & E. Atworth & Son, Ridgetown. | 3 pkgs. | 30 | Gorman Eckert & Co., London. | |
| " 12 | " | 54684 | Orendorf Bros., Ridgetown. | 1 lb. | 75 | Unknown. | |
| " 12 | " | 54686 | Clark & Sons, Ridgetown. | 1 " | 85 | Gorman-Eckert Co., London. | |
| " 12 | " | 54687 | P. Bawden, Ridgetown. | 1 " | 75 | Gillett Co., Toronto. | |
| " 13 | " | 54689 | C. S. Thornton, Leamington. | 1 " | 60 | Gorman-Eckert Co., London. | |
| " 13 | " | 54690 | W. W. Ames, Leamington. | 1 " | 80 | Unknown. | |
| " 13 | " | 54693 | Robinson Bros., Leamington. | 1 " | 75 | Todhunter & Mitchell, Toronto. | |
| " 14 | " | 54506 | Theodore B. S. Tweedale, Essex. | 1 " | 50 | Unknown. | |
| " 14 | " | 54507 | S. H. Sadler, Essex. | 1 " | 60 | " | |

DISTRICT OF MANITOBA—

| | | | | | | | |
|---------|-----------------|-------|--|---------|------|------------------------------------|--|
| Oct. 11 | Cream of Tartar | 61426 | Thomas Lawrence, Lyleton. | 1½ lb. | 1.05 | E. W. Gillett, Toronto. | |
| " 11 | " | 61427 | R. A. Laing, " | 1 " | 55 | Gold Standard Co., Winnipeg. | |
| " 13 | " | 61428 | De Long & May, Reston. | 1 " | 90 | Novary Products Co., Toronto. | |
| " 13 | " | 61429 | G. S. Munroe Co., Ltd., Reston. | 1 " | 90 | McLaren's Ltd., Winnipeg. | |
| " 15 | " | 61430 | W. J. Bower, Melita. | 1 " | 1.05 | E. W. Gillett, Co., Toronto. | |
| " 28 | " | 61434 | J. A. Harvie & Co., Treherne. | 3 cans | 1.05 | Gold Standard Co., Winnipeg. | |
| " 28 | " | 61435 | P. R. McLachlin, Rathwell. | 3 " | 1.05 | Campbell Bros. & Wilson, Winnipeg. | |
| Nov. 1 | " | 61136 | Erickson Bros., Selkirk. | 3 pkgs. | 45 | Todhunter, Mitchell Co. Toronto. | |
| " 2 | " | 61437 | A. Thornton, 1583 Main St., Kildonan. | 3 " | 45 | Gorman Eckert Co., Winnipeg. | |
| " 2 | " | 61438 | Kildonan Cash Supply Co., 1741 Main St., Kildonan. | 3 " | 45 | Blue Ribbon Co., Toronto. | |

DISTRICT OF SASKATCHEWAN—

| | | | | | | | |
|---------|------------------|-------|---------------------------|-------|----|----------------------------------|---------------------------------|
| Oct. 13 | Cream of Tartar. | 66446 | McLean Grocery, Moosejaw. | 1 lb. | 60 | White Star Mfg. Co., Winnipeg. | |
| " 13 | " | 66447 | E. E. Ard, Moosejaw. | 1 " | 60 | Gold Standard Mfg. Co. Winnipeg. | Codville Co. Moosejaw. |
| " 13 | " | 66448 | E. F. Cassidy, " | 1 " | 65 | | Todhunter & Mitchell Toronto. |
| " 13 | " | 66449 | J. R. Kelly, " | 1 " | 60 | | McDonald Crawford Co. Moosejaw. |
| " 13 | " | 66450 | Geo. A. Tapley, " | 1 " | 60 | White Star Mfg. Co. Winnipeg. | |

BULLETIN No. 335—

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cont. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturers | Furnisher. |

DISTRICT OF ALBERTA—

| | | | | | | | |
|---------|------------------|-------|---|---------|------|--------------------------------------|--|
| 1915. | | | | | | | |
| Nov. 16 | Cream of Tartar. | 52286 | Spencer Todd, Ltd., Medicine Hat. | 1 lb | 60 | Dalley's Hamilton .. | |
| " 16 | " | 52287 | Sprague & Williamson, Medicine Hat. | 3 tins. | 60 | F. F. Dalley & Co., Hamilton. | |
| " 17 | " | 52288 | E. S. Bowden, Taber. | 3 pkg. | 60 | Campbell Bros. & Wilson, Winnipeg | |
| " 17 | " | 52289 | Vickery & Co., Taber. | 1 lb. | 70 | Campbell, Wilson & Horne, Lethbridge | |
| " 17 | " | 52290 | The Good Company, Lethbridge. | 1 " | 75 | A. Macdonald Co., Lethbridge. | |
| " 18 | " | 52291 | J. D. Higginbotham & Co., Ltd., Lethbridge. | 1 " | 1 00 | Lyman's Ltd., Montreal. | |
| " 23 | " | 52292 | The John Irwin Co., Calgary. | 1 " | 80 | Georgeson & Co., Ltd., Calgary. | |
| " 23 | " | 52293 | Geo. I. Wood, Calgary. . . | 1 " | 65 | Georgeson & Co., Ltd., Calgary. | |
| " 24 | " | 52294 | J. T. Macdonald, Calgary | 3pkts. | 60 | E. W. Gillett Co., Toronto. | |
| " 24 | " | 52295 | S. G. Freeze, Calgary. . . | 3 " | 60 | Blue Ribbon, Ltd., Winnipeg. | |

DISTRICT OF ROCKY MOUNTAINS—

| | | | | | | | |
|---------|------------------|-------|----------------------------------|---------|------|---------------------------------|--|
| Oct. 18 | Cream of Tartar. | 61891 | M. Penney, Prince George | 3 tins. | 1.20 | Kelly Douglas & Co., Vancouver. | |
| " 18 | " | 61892 | Hood's Ltd., Prince George | 3 " | 75 | White Star Mfg., Winnipeg. | |
| Nov. 16 | " | 61897 | J. A. Menzies, Ltd., Merritt. | 3pkgs. | 1 20 | E. W. Gillett, Co., Toronto. | |
| " 16 | " | 61898 | Merritt Mercantile Co., Merritt. | 3 " | 60 | Wm. Braid & Co., Vancouver. | |
| Dec. 6 | " | 68109 | N. L. McInnes, Grand Forks. | 1 lb. | 75 | F. F. Dalley, Co., Hamilton. | |
| " 6 | " | 68110 | Jeff Davis & Co., Grand Forks. | 1 " | 75 | Kelly Douglas & Co., Vancouver. | |

DISTRICT OF VANCOUVER—

| | | | | | | | |
|---------|------------------|-------|--|---------|----|--|--|
| Oct. 27 | Cream of Tartar. | 55376 | David Spencer, Ltd., Vancouver. | 1 lb. | 70 | Empress Mfg. Co., Vancouver. | |
| " 27 | " | 55377 | W. H. Edgett, 118 Hastings St., W., Vancouver. | 1 " | 70 | " " | |
| " 28 | " | 55378 | Slater Bros., 131 Hastings St., E., Vancouver. | 1 " | 60 | Kelly, Douglas & Co., Ltd., Vancouver. | |
| " 28 | " | 55379 | The Cow Butter Store, 195 Hastings St., E., Vancouver. | 3 tins. | 45 | Empress Mfg. Co., Vancouver | |

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|------------|
| | | | | Quantity. | Cents. | Manufacturer. | Furnisher. |

DISTRICT OF VANCOUVER—

| | | | | | | | |
|---------|------------------|-------|---|--------|----|----------------------------------|--|
| 1915. | | | | | | | |
| Oct. 28 | Cream of Tartar. | 55380 | A. & C. Grocery, 529 Granville St., Vancouver. | 1 lb.. | 65 | Empress Mfg. Co., Vancouver. | |
| " 28 | " | 55381 | Jas. A. Lowe, 1902 Seymour St., Vancouver. | 3 pkgs | 45 | Wm. Braid & Co., Vancouver. | |
| Nov. 11 | " | 55382 | W. H. Walsh, Seymour and Davie Sts., Vancouver. | 1 lb.. | 70 | " " | |
| " 11 | " | 55383 | London Grocery Co., 1048 Granville St., Vancouver | 3 pkgs | 45 | Kelly, Douglas & Co., Vancouver. | |
| " 12 | " | 55384 | New Westminster Co-Operative Association, New Westminster. | 1 lb.. | 60 | " " | |
| " 12 | " | 55385 | Fraser River Supply Co., 548 Columbia St., New Westminster. | 1 " | 25 | " " | |

DISTRICT OF VICTORIA—

| | | | | | | | |
|---------|------------------|-------|---|---------|----|---|--------------------------------------|
| Nov. 10 | Cream of Tartar. | 66610 | Windsor Grocery Co., 817 Govt. St., Victoria. | 1 lb.. | 80 | Pioneer Coffee and Spice Mills, Victoria. | |
| " 10 | " | 66621 | The West End Grocery Co., Ltd., 1002 Govt. St., Victoria | 3 tins. | 45 | Empress Mfg. Co., Vancouver. | |
| " 11 | " | 66626 | Dixie H. Ross & Co., 1317 Govt. St., Victoria. | 1 lb.. | 40 | E. W. Gillett & Co., Co., Toronto. | |
| " 12 | " | 66631 | Acton Bro., 1317 Douglas St., Victoria. | 1 " | 90 | Wm. Braid & Co., Vancouver. | |
| " 12 | " | 66634 | H. O. Kirkham & Co., 1109 Govt. St., Victoria. | 1 " | 75 | | Kelly, Douglas Co., Vancouver. |
| " 15 | " | 66638 | Copas & Young, 631 Fort St., Victoria. | 1 " | 70 | E. W. Gillett & Co., Toronto. | |
| " 15 | " | 66639 | Henry W. Driver, 856 Yates St., Victoria. | 1 " | 60 | | W. H. Malkin Co., Vancouver |
| " 23 | " | 66643 | E. B. Jones, 1800 Cook St., Victoria. | 1 " | 70 | | W. A. Jameson, Coffee Co., Victoria. |
| " 23 | " | 66644 | Wellburn's Cash Grocery Store, 1058 Pandora Ave., Victoria. | 1 " | 60 | E. W. Gillett Co., Toronto. | |
| " 24 | " | 66645 | W. A. Jameson Coffee Co., 754 Broughton Ave., Victoria. | 3 tins. | 55 | Nat. Aniline and Chem. Co., Chicago, U.S.A. | |

CREAM OF TARTAR.

| Inspector's Report. (Is not an expression of opinion.) | Results of Analysis. | | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|--|-------------------------------|---|--------------|-------------|------------|---------|---------------------|----------------|---|
| | Acidity C.C. n per 100 grams. | Bitartrate of pot. ash expressed as weight. | Lime (Ca O). | Phosphates. | Sulphates. | Starch. | Alumina Al_2O_3 . | | |
| Sold in bulk.... | 485 | 91.2 | Pre-sent. | | Pre-sent. | | | 55380 | Genuine. Commercial grade. |
| | 525 | 98.8 | " | | | | | 55381 | " Meets B. P. require- |
| Sold in bulk.... | 498 | 93.6 | " | | | | | 55382 | Genuine. Commercial grade. |
| Nabob Brand.... | 487 | 91.6 | " | | | | | 55383 | " " " |
| Sold in bulk.... | 525 | 98.8 | | | | | | 55384 | Genuine. Meets B. P. require- |
| Sold as com- pound. | 436 | | | | 21.2 | 36.36 | | 55385 | Sold as compound. |

Concluded.

D. O'SULLIVAN, INSPECTOR.

| | | | | | | | | | |
|----------------------------------|-----|-------|-----------|--|--|--|--|-------|-------------------------------|
| | 523 | 98.4 | Pre-sent. | | | | | 66615 | Genuine. Meets B. P. require- |
| Empress Brand. | 530 | 99.6 | | | | | | 66621 | " " " |
| Bulk | 532 | 100.0 | | | | | | 66626 | " " " |
| Brand's Best.... | 504 | 94.8 | Pre-sent. | | | | | 66631 | Genuine. Commercial Grade. |
| Nabob | 481 | 90.4 | " | | | | | 66634 | " " " |
| | 532 | 100.0 | | | | | | 66638 | " Meets B. P. require- |
| Dalloy's Pure.... | 487 | 91.6 | Pre-sent. | | | | | 66639 | Genuine. Commercial Grade. |
| | 532 | 100.0 | | | | | | 66643 | Genuine. Meets B. P. require- |
| Gillet's Ground Cream of Tar- | 532 | 100.0 | | | | | | 66644 | " " " |
| Jameson's Vic- | 532 | 100.0 | | | | | | 66645 | " " " |

NOTES AND COMMENTS.

2. *Beverages and Concentrated Beverages.*—An Order in Council of April 4, 1914, published as Circular G. 1111, restricts the amounts of certain preservatives which may be present in beverages.

The term beverage is understood to mean a liquid suitable for drinking and therefore diluted to a strength consistent with such use.

Lime Juice, as defined by Order in Council of 28th January, 1915 (published as Circular G. 1172) is not a beverage in this sense; being too strongly acid to permit of being drunk without dilution. It is usual to add from 5 to 10 volumes of water to Lime Juice, for beverage purposes; and the limit for added preservatives, as fixed by Order in Council quoted above, will be interpreted consistently with such usage.

3. *Sulphurous Acid as a Preservative in Lime Juice.*—Recognizing the necessity of a preservative in the economical and ordinary use of Lime Juice, and the fact of long usage without any demonstrated harmful effect upon health, the Department of Inland Revenue will tolerate the presence of Sulphurous Acid in Lime Juice, in a proportion not to exceed 1 part by weight of Sulphurous acid in 2,000 parts by weight of Lime Juice. Up to the limit named, it will not, for the present, be required to declare the presence of this preservative upon the label, or otherwise.

Should, however, further investigation justify such action, the above indicated permission may be withdrawn; but reasonable notice of such change will be given.